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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/716,978 11/14/2003		D. Hugh McCabe	84317	6860	
23501	7590 08/26/2005		EXAMINER		
NAVAL SURFACE WARFARE CENTER, DAHLGREN DIVISI			PIHULIC, DANIEL T		
OFFICE OF C	OUNSEL, CODE XDC GREN ROAD		ART UNIT	PAPER NUMBER	
DAHLGREN,	VA 22448-5110		3662		
			DATE MAILED: 08/26/2003	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

		7							
		Applicati	on No.	Applicant(s)					
Office Action Commence			78	MCCABE ET AL.					
	Office Action Summary	Examine		Art Unit					
		Daniel Pil		3662					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply									
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).									
Status									
1)□ R	esponsive to communication(s) filed or	n							
	pring .								
3)□ S									
Disposition	n of Claims	•							
 4) Claim(s) 1-8 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-8 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 									
Application	n Papers								
 9) ☐ The specification is objected to by the Examiner. 10) ☒ The drawing(s) filed on 14 November 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. 									
Priority un	der 35 U.S.C. § 119								
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.									
Attachment(s)									
2) Notice o	f References Cited (PTO-892) f Draftsperson's Patent Drawing Review (PTO-9 ion Disclosure Statement(s) (PTO-1449 or PTO o(s)/Mail Date 20031114.		4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	te	P-152)				

Application Number: 10/716,978 Page 1

Art Unit: 3662

1. This application does not contain an abstract of the disclosure as required by 37 CFR 1.72(b). An abstract on a separate sheet is required.

2. Claims 1-8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to

particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1-4 recite the limitation "the weighting" in line 1. There is insufficient antecedent basis for this

limitation in the claim.

Claim 7 and 8 recite the limitation "the weighting" in line 2. There is insufficient antecedent basis for this

limitation in the claim.

Claims 5 and 6 are rejected for depending from aforementioned claim 4.

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for

the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b),

by another filed in the United States before the invention by the applicant for patent or (2) a

patent granted on an application for patent by another filed in the United States before the

invention by the applicant for patent, except that an international application filed under the treaty

defined in section 351(a) shall have the effects for purposes of this subsection of an application

filed in the United States only if the international application designated the United States and

was published under Article 21(2) of such treaty in the English language.

. Claims 1-8 are rejected under 35 U.S.C. 102(b) as being anticipated by US6829568. The

US6829568 reference discloses the utilization of a multiple model tracking filter which controls the

weighting applied to outputs of multiple model functions; feedback signals to respective inputs of the

multiple model functions; and the feedback loop provides a feedback signal based on a convex sum of a

weighted estimate produced by the multiple model tracking filter.

With regards to claim 5 the reference discloses and the utilization as a radar tracking filter.

With regards to claim 6 the reference discloses the utilization of constant acceleration and velocity

model functions.

Application Number: 10/716,978 Page 2

Art Unit: 3662

5. Any inquiry concerning this communication or earlier communications from the examiner should

be directed to Dan Pihulic whose telephone number is 571-272-6977. The examiner can normally be

reached on Tuesday through Thursday from 5:30 a.m. to 4 p.m. If attempts to reach the examiner by

telephone are unsuccessful, the examiner's supervisor, Thomas Tarcza, can be reached on 571-272-

6979.

The fax phone numbers for the organization where this application or proceeding is assigned are:

571-273-8300 for official responses, and

571-273-6977 for unofficial communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be

directed to the receptionist whose telephone number is 571-272-3600.

Information regarding the status of an application may be obtained from the Patent Application

Information Retrieval (PAIR) system. Status information for published applications may be obtained from

either Private PAIR or Public PAIR. Status information for unpublished applications is available through

Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC)

at 866-217-9197 (toll-free).

/ Dan Pihulic /
Daniel T. Pihulic

Primary Examiner

T.C. Art Unit 3662